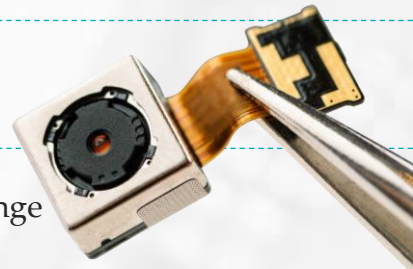
INV-OV08D10-8MP

8MP 4K Autofocus Camera Module with OmniVision OV08D10 Sensor, MIPI-CSI Interface

The INV-OV08D10 is a compact 1/4-inch 8MP CMOS digital image sensor featuring OmniVision PureCel® technology. It provides a 3280 (H) × 2464 (V) active pixel array and delivers detailed, high-resolution images in a compact module designed for embedded vision and intelligent camera applications.
The sensor produces clear, low-noise images in both bright and low-light environments. It supports 4K video capture at up to 30 frames per second and provides HDR capability for improved detail in scenes containing both bright and dark areas. Its 10-bit RAW output also provides greater flexibility for image processing and tuning.
The INV-OV08D10 combines autofocus capability with an 82.7° diagonal field of view and a focus range from approximately 10 cm to infinity. Its compact 10 mm × 10 mm × 16.6 mm module design and MIPI interface make it a flexible solution for robotics, AI vision, video conferencing, smart devices, and other embedded imaging systems.

- High-resolution 8MP imaging for detailed still images and 4K video applications.
- OmniVision PureCel® technology for improved image quality, sensitivity, and noise performance.
- 4K video capture at up to 30 fps for high-quality real-time imaging.
- HDR capability for improved detail and color reproduction across challenging lighting conditions.
- 10-bit RAW output provides greater flexibility for image processing, calibration, and tuning.
- Autofocus from 10 cm to infinity for flexible close-range and long-distance imaging.
- Wide 82.7° diagonal field of view with low optical distortion for broad and accurate scene coverage.



Resolution	Sensor Vendor	Image Sensor	Interface	Focus	Optical Size	EFL	FOV (degrees)	Focus Range	Optical Distortion	Module Size (mm)	Application
8MP	OmniVision	OV08D10	MIPI	AF	1/4”	-	82.7	10cm~∞	<-0.8%	10x10x16.6mm	Robotics, AI Vision, IoT